Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/16/2018 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125641	0	1.39	125492	1.35
Blue	F	SSC	125000	123008	-2	3.15	123287	2.89
Blue	E	FITC	23615	22893	-4	2.48	1023	10.37
Blue	D	PE	26739	26479	-1	2.12	953	10.10
Blue	B	PerCP-Cy5-5	48339	47206	-3	3.49	1355	16.97
Blue	A	PE-Cy7	45021	44361	-2	5.23	682	36.27
Red	C	APC	53064	52155	-2	2.68	2988	9.51
Red	A	APC-Cy7	57175	56272	-2	2.77	1173	11.03
Violet	B	V450	14728	14012	-5	4.81	673	9.38
Violet	A	V500	58621	56982	-3	4.68	2517	6.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19696	2.00	611	-3	N/A	N/A	Pass
Blue	F	SSC	61226	1.48	554	8	N/A	N/A	Pass
Blue	E	FITC	114	39.65	548	0	0.0202	165	Pass
Blue	D	PE	209	30.03	539	3	0.1527	256	Pass
Blue	B	PerCP-Cy5-5	212	46.33	636	1	0.0102	145	Pass
Blue	A	PE-Cy7	72	124.00	694	1	0.0114	16	Pass
Red	C	APC	345	28.08	597	0	0.0200	66	Pass
Red	A	APC-Cy7	128	39.71	579	-1	0.0058	1629	Pass
Violet	B	V450	82	42.87	460	-10	0.0478	2109	Pass
Violet	A	V500	183	22.44	487	-10	0.0149	365	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.41	-31.97	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.64	14.40 - 21.60	N/A	N/A	31.65	32.11	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10149

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments